

Amendments to the Claims:

The text of all pending claims, (including withdrawn claims) is set forth below. Canceled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (canceled), (withdrawn), (new), (previously presented), or (not entered).

Applicants reserve the right to pursue any canceled claims at a later date.

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1 - 4. (canceled)

5. (currently amended) An ultrasonic pick-up for acoustically diagnosing machines of the type generating normal operating noise in a relatively low spectral range and which generate fault-related noise in a relatively high spectral range which may overlap with the relatively low spectral range, comprising:

- a piezoelectric measuring element for generating an electric measurement signal;

- a housing that includes the piezoelectric measuring element;

- a electronic circuit operatively connected to the piezoelectric measuring element, the electronic circuit coupled to convert the electric measurement signal into an evaluation signal in the relatively high spectral range, form suitable evaluation and into a supply signal in the relatively low spectral range suitable to provide power for operating the circuit, the circuit including:

- a filter function for separating the electric measurement signal into the evaluation signal and the supply signal; and

an amplifier positioned after the filter for signal separation in the circuit to amplify the evaluation signal so that it is suitable for transmission to an evaluation device located outside of the housing, wherein the supply signal is not amplified by the amplifier.

6. (previously presented) The ultrasonic pick-up according to claim 5, wherein the electronic circuit further comprises a rectifying device for rectifying and smoothing the supply signal.

7. (previously presented) The ultrasonic pick-up according to claim 5 wherein the relatively high spectral range of the first signal overlaps with the relatively low spectral range of the second signal.